WA17W*
WA17X*
WA15X*

Washer
user manual

imagine the possibilities

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SAMSUNG

Poseidon-MAX.indd 1 2007-09-17 ¿ÀÈÄ 7:00:40

features of your new washer

1. Super Clean

Samsung's 5-step(Deep Soaking, Soaking, Stain Dissolving, Stain Separating, and Deep Cleaning) Super Clean System is truly a revolutionary washing algorithm that result in an incredibly cleaner wash while dramatically cutting the use of energy, providing you with the optimum in washing performance.

2. Wobble Technology (Selected Models)

Wobble Technology ™ uses an innovative technology that provides water control and better protection to the fabrics. This technology reduces by 50% the tangles and prevents fabrics damage due to friction, which provides a perfect washing delicates.

This technology also allows for effective and perfect cleaning with the normal washing programs and get a special 30% savings in water consumption.

3. Tornado Pulsator

Multi-dimensional water currents ensure that your clothing stays tangle free.

The water current technology creates multi-dimensional water currents resulting in an excellent wash performance.

4. Air Turbo Drying System

Samsung's state-of-the-art Air Turbo technology spins your laundry efficiently, saving you valuable time, ensuring that your clothes dry 30%-40% faster than from line drying. Laundry such as heavy jeans, blankets, and bulky sweaters, that once took days to drip-dry, now dries super fast.

The easy-to-iron Air Turbo Drying System is perfect for delicate clothing and synthetic fabrics. No more hanging up your clothes and waiting for hours.

Since Air Turbo eliminates just enough moisture to keep your clothes sufficiently damp for ironing, simply iron straight-out-of-the washer.

5. Family Care

Tired of washing your garments separately? With Samsung's Family Care Wash Program, this is a thing of the past. The optimal wash performance and at your convenience!

The Woolmark certification guarantees that your garments are washed gently and safely.

WOOLMARK

Woolmark Certified

The machine wash wool course on the Samsung washer has been tested and passed the required Woolmark Company specification for machine washable wool products. Fabrics should be washed according to the instructions on the garment label as specified by Woolmark and Samsung.

6. Diamond Drum

The diamond shaped drum creates a high water pressure, removing dirt from the laundry effectively. The diamond drum minimizes fabric damage extending the lifetime of the fabric. The glittering inner tube is both beautiful and powerful in the wash effect it creates.

7. Tempered Transparent Door

Lets you observe while the washer is operating. Check on your laundry's progress at any time.

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8. Digital Control

The digital control selects the optimal washing course by automatically sensing the washload using artificial intelligence.

9. Magic Filter

The unique Magic Filter ensures that any and all lint inside the tub is captured for top quality filtering results that deliver a consistent and effective cleaning result.

10.Auto Restart

The power is turned on automatically after a power failure and simply continues the previous cycle. This saves time and ensures your wash is completed every time without fail.

11.Child-Lock Function

The Child-Lock function protects children from accidentally being hurt while playing with the washer.

This manual contains important information on the installation, use, and care of your new Samsung washer. Refer to it for descriptions of the control panel, instructions on how to use the washer, and tips for making the most of its state-of-the-art features and functions. The 'Troubleshooting and information codes' section on page 26 tells you what to do if something goes wrong with your new washer.

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safety instructions

Throughout this manual, you'll see Warning ⚠ and Caution ⚠ notes. These warnings, cautions, and the important safety instructions that follow do not cover all possible conditions and situations that may occur. It's your responsibility to use common sense, caution, and care when installing, maintaining, and operating your washer. Samsung is not liable for damages resulting from improper use.

IMPORTANT SAFETY SYMBOLS AND PRECAUTIONS

What the icons and signs in this user manual means:

WARNING	Hazards or unsafe practices that may result in **severe personal injury or death**.
CAUTION	Hazards or unsafe practices that may result in **minor personal injury or property damage**.
CAUTION	To reduce the risk of fire, explosion, electric shock, or personal injury when using your washer, follow these basic safety precautions:

	Do NOT attempt.
	Do NOT disassemble.
	Do NOT touch.
	Follow directions explicitly.
	Unplug the power plug from the wall socket.
	Make sure the machine is grounded to prevent electric shock.
	Call the service center for help.

These warning signs are here to prevent injury to you and others.
Please follow them explicitly.
After reading this section, keep it in a safe place for future reference.

Read all instructions before using the appliance.

As with all any equipment using electricity and moving parts, potential hazards exist. To safely operate this appliance, become familiar with its operation and exercise care when using it.

Install and store your washer inside, away from exposure to weather.

Install and level your washer on a floor that can support its weight.

Your washer must be properly grounded. Never plug it into an ungrounded outlet. See page 16 for more information on grounding your washer.

Position the washer so that a wall plug is accessible after the installation is completed.

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To reduce the risk of fire or explosion:

- Do not wash items that have been washed, soaked, or treated with gasoline, dry cleaning solvents, or other flammable or explosive substances. They give off vapors that could ignite or explode. Rinse by hand any material that has been exposed to cleaning solvent or other flammable liquids or solids before putting in your washer. Be sure that all traces of such liquids, solids, and fumes have been removed. Dangerous substances include acetone, denatured alcohol, gasoline, kerosene, certain liquid household cleaners and spot removers, turpentine, waxes, and wax removers.
- Do not put gasoline, dry cleaning solvents, or other flammable or explosive substances into the washer.
- Under certain conditions, hydrogen gas may be produced in a hot water system – such as your hot water heater - that has not been used for two weeks or more. HYDROGEN GAS IS EXPLOSIVE. If your hot water system has not been used for two weeks or more, turn on all hot water faucets in your home, and let the water flow for several minutes before using your washer. This will release any hydrogen gas build–up. Since hydrogen gas is flammable, do not smoke or light an open flame during this time.

Ventilate immediately without touching the power plug if there is a gas leak.

Unplug the power cord before servicing your washer.

Do not reach into the appliance when the tumbler is moving.

Do not reach under the appliance with your hands or with an object as you may be injured by the spinning board beneath the washer.

Do not let children play on or in your washer. The washer door does not open easily from the inside, and children may be seriously injured if trapped inside.

Do not let children attempt to look into the washer as falling into the washer is extremely dangerous and may be fatal.

This appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safely. Young children should be supervised to ensure that they do not play with the appliance.

Do not repair, replace, or service any part of your washer yourself unless you fully understand the recommended user–repair instructions and have the skills to carry them out. Work done by an unauthorized person may void your warranty.

Store laundry detergents and other laundry supplies in a cool, dry place out of children's reach.

Disconnect the hoses and turn off the water when not using the washer.

If the power cord is damaged, it must be replaced by the manufacturer, a service agent or similarly qualified person in order to avoid a hazard.

Do not forcefully bend the power cable or place any heavy objects on the cable.

Do not touch the power cord with wet hands.

Do not overload the power outlet with too many appliances.

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safety instructions

Do not install the washer nearby electrical implements and do not place any candles or cigarettes on the washer.

Do not go near the washer if it is flooded or under water, as there is a risk of electric shock. Unplug the washer and drain the water completely.

Do not combine chlorine bleach, ammonia, or acids (such as vinegar or rust remover) in the same wash. The fumes that can form when any of these items are combined are hazardous.

Do not machine wash fiberglass materials. Small particles can stick to fabrics washed in subsequent loads and cause skin irritation.

Before disposing of your washer, remove the door so that children or small animals cannot get trapped inside.

Connect the washer to the main water supply using a new set of hoses. Do not reuse an old set of hoses.

Water inlet hoses deteriorate over time. Check the hoses periodically for bulges, kinks, cuts, wear, and leaks, and replace them as needed and at least every five years.

Before each wash, empty the pockets of your laundry. Small, irregularly shaped hard objects, such as coins, knives, pins, and paperclips could damage your washer. Do not wash clothing with large buckles, buttons, or other heavy metal objects.

If the washer does not stop within 15 seconds after you open the lid, call a service agent immediately.

Connect the grounding wire to the shell plate, and bury it under at least 10 in (25 cm) of earth: Alternatively, connect the ground wire to the appropriate pin on a properly grounded power receptacle. Never connect the wire to a telephone line, lightning rod, or gas pipe.

For washers with ventilation openings in the base, that a carpet must not obstruct the openings.

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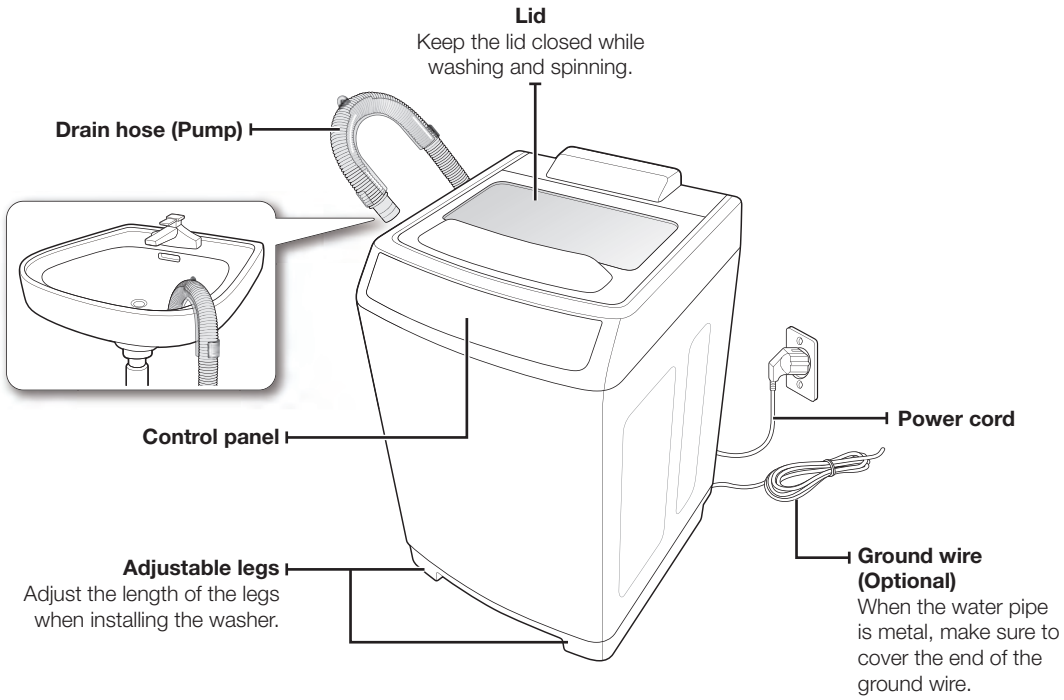
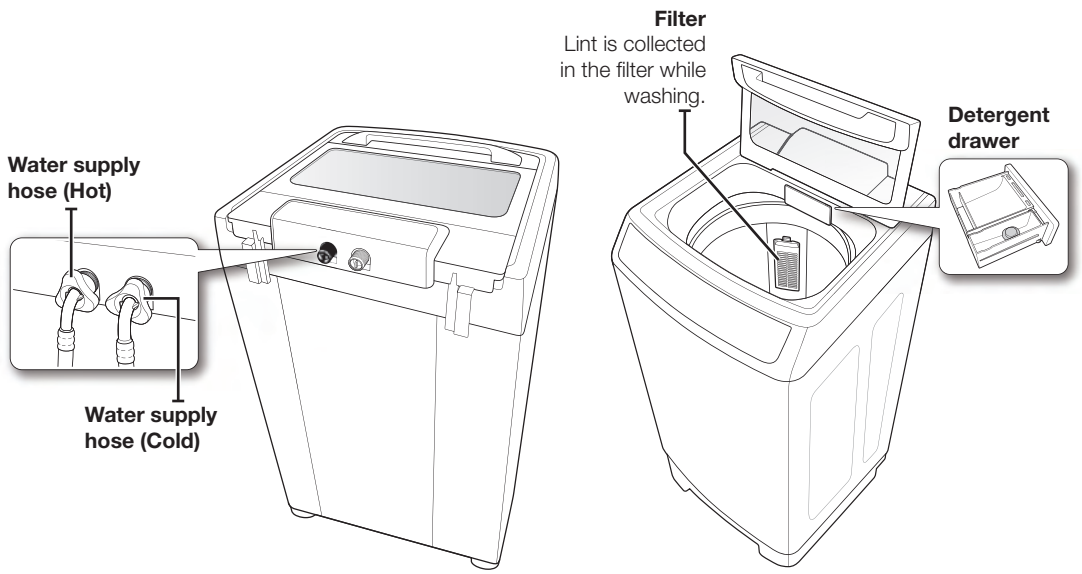
setting up your washer

Be sure to have your installer follow these instructions closely so that your new washer works properly and so that you're not at risk of injury when doing laundry.

CHECKING THE PARTS AND THE CONTROL PANEL

Carefully unpack your washer, and make sure you've received all the parts shown below. If your washer was damaged during shipping, or if you do not have all the parts, contact Samsung Customer Service or your Samsung dealer.


Lid
Keep the lid closed while washing and spinning.
Drain hose (Pump)
Control panel
Power cord
Adjustable legs
Adjust the length of the legs when installing the washer.
Ground wire (Optional)
When the water pipe is metal, make sure to cover the end of the ground wire.



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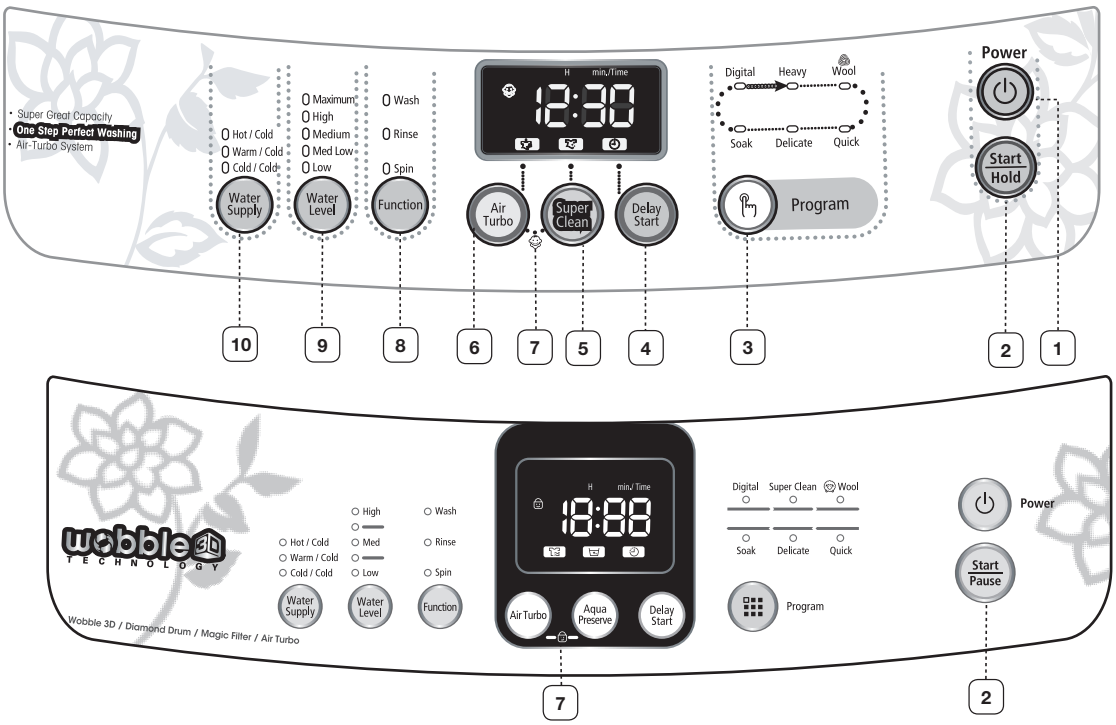

1 **POWER BUTTON**	Press this button once to turn the power on. Press it again to turn the power off.
2 **START/PAUSE BUTTON**	Press to pause and restart courses. To change the washing procedure during an operation, press this button to stop the operation, and press it again to restart the washer after changing the washing procedure.
3 **COURSE SELECTION BUTTON**	Press this button repeatedly to cycle through the washing courses: [Digital → Heavy → Wool → Quick→ Delicate → Soak
4 **DELAY START BUTTON**	Press this button to finish the wash at a specified time. Turn your washer off to cancel a previously delayed start time. You can set the delayed start time from between 3 to 18 hours.
5 **SUPER CLEAN BUTTON**	Press the button once to select the Super Clean function. Press once again the button to deselect the function.
6 **AIR-TURBO BUTTON**	Press this button to fast-dry your laundry. Press this button to toggle between the Air-Turbo options: 15 Min → 30 Min → Off This function can only be selected if a spin cycle has been set.
7 **CHILD-LOCK FUNCTION**	The child lock function allows you to lock the buttons so that the selected wash cycle can't be changed. (This is a device that prevents children from playing with the washer.) **Activating/Deactivating:** Press both the **Air Turbo** and **Super Clean** buttons at the same time for 3 seconds (or **Air Turbo** and **Aqua Preserve** button (Note:This function cannot be performed without the " Power " being on.)
8 **FUNCTION BUTTON**	Press this button to manually perform Wash, Rinse or Spin cycles. Press this button repeatedly to cycle through the cycle options. Wash → Rinse → Spin → Wash + Rinse → Rinse + Spin → Wash + Rinse + Spin → Wash
9 **WATTER LEVEL BUTTON**	The water level is automatically adjusted. However, you can select the water level manually by repeatedly pressing this button.
10 **WATTER SUPPLY BUTTON**	Press this button repeatedly to cycle through the water options: Hot/Cold → Warm/Cold → Cold/Cold

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Digital course

Use this course to automatically select the optimal washing course.

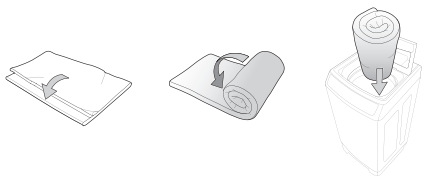
1. Press the **Power** button to turn the washer "On".
2. Press the **Start/Pause** button. The water level is selected automatically.
3. The wash, rinse, and spin cycles follow.
4. To pause a course, press the **Start/Pause** button again. You can change the course when it is paused.
5. Close the lid.

Heavy course

Use this course for big volume laundry items such as blankets and bed cover sheets.

1. Press the **Power** button to turn the washer "On".
2. Press the **Course** select button.
3. Press the **Start/Pasue** button. The water level is selected automatically.
4. The wash, rinse, and spin cycles follow.
5. To pause a course, press the **Start/Pause** button again. You can change the course when it is paused.
6. Close the lid.

- Do not wash electric blankets and carpets.
- Fold big volume laundry items (blankets and bed cover sheets) in the following way before adding them into the spin basket.
- Purchase a laundry net for light and big volume laundry items (e.g. cashmere, blankets) as they may rise to the top of the washer and become damaged.



Wool course

Use this course to wash woolen items such as washable sweaters, cardigans, and other woolen items.

1. Press the **Power** button to turn the washer "On".
2. Press the **Course** select button.
3. Press the **Start/Pause** button.
4. The wash, rinse, and spin cycles follow.
5. To pause a course, press the **Start/Pause** button again. You can change the course when it is paused.
6. Close the lid.

- The Air Turbo and Silver Wash functions cannot be selected for the Wool course.
- Do not use hot water (over 30C) for washing wool.
- Refer to the Care Label on the clothing for the appropriate wash information.
- Make sure buttons are fastened and that clothing is turned inside out.
- Use only detergent indicated by the laundry.
- When the laundry is extremely dirty, soak the laundry for about 10 minutes before pressing the Wool course button to increase the wash efficiency.

WOOLMARK

The wool wash course of this machine has been approved by Woolmark for the washing of machine washable Woolmark products provided that the products are washed according to the instructions on the garment label and those issued by the manufacturer of this washer, M0509.

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Quick course

The Quick course is good for light or slightly stained laundry.

1. Press the **Power** button turning the washer "On".
2. Press the **Course** select button.
3. Press the **Start/Pause** button. The water level is selected automatically.
4. The wash, rinse, and spin cycles follow.
5. To pause a course, press the **Start/Pause** button again. You can change the course when it is paused.
6. Close the lid.

Delicate course

Use this course to wash delicate clothing items.

1. Press the **Power** button turning the washer "On".
2. Press the **Course** select button.
3. Press the **Start/Pause** button. The water level is selected automatically.
4. The wash, rinse, and spin cycles follow.
5. To pause a course, press the **Start/Pause** button again. You can change the course when it is paused.
6. Close the lid.

- You cannot select Hot/Cold water.
- The last spin cycle is a light cycle to prevent wrinkles.
- Use the detergent indicated by the laundry item.

※ In the Delicate course, Air Turbo cannot be selected as it may damage delicate items.

Soak program

Use this program to remove stains from clothes more efficiently making it a time to soak.

1. Press the **Power** button to turn the washing machine.
2. Press the **Program** selection.
3. Press the **Start / Pause** button.
4. Cycles are done washing, rinsing and spinning.
5. To stop a program, press the **Start / Pause** button again. Once the washing machine has stopped, you can change the program.
6. Close the lid.

Super Clean (Selected Models)

Use this course to achieve the cleanest wash.

This course automatically adjusts the water temperature, the water level, the washing time and the power ensuring the optimal wash performance through the 5-step super clean system.

1. Press the **Power** button to turn the washer "On".
2. Press the **Super Clean** select button.
3. Press the **Start/Pause** button.
4. Add the appropriate amount of detergent. The 5 steps of Deep Soaking, Soaking, Stain Dissolving, Stain Separating, and Deep Cleaning follow.
5. Close the Lid.

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setting up your washer

Delay Start

Use this to specify a time for the wash cycle to start, for example, when you need to go out and are unable to monitor the washer.

1. Press the **Power** button to turn the washer "On".
2. Press the **Delay Start** button once.
   You may set the delay end time using the **Delay Start** button from between 3 to 18 hours.
3. Press the **Start/Pause** button and add the appropriate amount of detergent into the tub.
4. Close the lid.
   The wash will finish by the set time.
   Add detergent and softener according to the water level and close the lid.
   - Detergent must be added into the detergent drawer.
   - If detergent is added onto the laundry directly, some clothes may become discolored because the start has been delayed.
   - To cancel a Delay Start, press the **Power** button.

Air Turbo

This course saves you valuable time, ensuring that your clothes dry faster than from line drying.

1. Press the **Power** button turning the washer "On".
2. Press the **Air Turbo** button.
   Each time the Air Turbo button is pressed, the operations are performed in the following order: 30min → OFF → 30min
3. Close the lid.
4. Press the **Start/Pause** button.
   - This can be selected as an additional option for all courses except Wool and Delicate course.
   - The Air Turbo function is only available when SPIN is selected.
   - Select this when you want to half-dry the laundry.

Aqua Preserve (Selected models)

Water saving function reduces water consumption by reusing water from last rinse cycle.

1. Press the **Power** button to turn the washing machine.
2. Press the **Aqua Preserve** button.
3. Close the lid.
4. Press the **Start / Pause** button.

- This program can be selected as an additional option in all programs except in Spin, Wool and delicate.
- To use the water in the rinse cycle after the Aqua Preserve program, select the Spin program.

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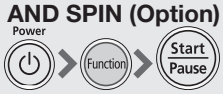
MANUAL FUNCTIONS (Selected models)

It is possible to select cycles manually.
(Example) A basic wash for lightly soiled laundry:
Power → Select the Quick course → Start/Pause

Program	INSTRUCTIONS
WASH, RINSE AND SPIN 	Press the **Power** button. Press the **Start/Pause** button once. The wash, rinse and spin cycles are performed.
SOAK, WASH, RINSE AND SPIN (Option) 	Press the **Power** button. Press the **Program** button five times. Press the **Start/Pause** button once. The wash cycle continues for 72 minutes.
WASH ONLY Once	Press the **Power** button. Press the **Function** select button once. Press the **Start/Pause** button once. The wash cycle continues for 19 minutes. When the **Function** button is pressed while washing is in progress, the wash time can be changed to between 4 and 30 minutes.
RINSE ONLY Twice	Press the **Power** button. Press the **Function** select button twice. Press the **Start/Pause** button once. When the **Function** button is pressed during the rinse cycle, the rinse time can be changed to between 2 to 5 times in duration. Because the rinse cycle is performed only once during the Digital course, no **Function** button can be pressed once the rinse cycle has started.
SPIN ONLY three times	Press the **Power** button. Press the **Function** select button three times. Press the **Start/Pause** button once. The spin cycle continues for 10 minutes. When the **Function** button is pressed during the spin course, the spin time can be changed to 1 to 9 minutes.
WASH AND RINSE four times	Press the **Power** button. Press the **Function** select button four times. Press the **Start/Pause** button once. The cycle detects the amount of laundry, and automatically determines the wash and rinse times. When the **Function** button is pressed during working, the rinse times can be changed to between 1 to 5 times in duration. Because the rinse cycle is performed only once during the Digital course, no **Function** button can be pressed once the rinse cycle has started.
RINSE AND SPIN five times	Press the **Function** button five times. Press the **Start/Pause** button once. The rinse and spin cycles are performed. When the **Function** button is pressed during working, the rinse times can be changed to between 2 to 5 times in duration. Because the rinse cycle is performed only once during the Digital course, no **Function** button can be pressed once the rinse cycle has started.

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setting up your washer

MEETING INSTALLATION REQUIREMENTS

Electrical supply and grounding

To prevent unnecessary risk of fire, electrical shock, or personal injury, all wiring and grounding must be done in accordance with the National Electrical Code ANSI/FNPA, No. 70 Latest Revision and local codes and ordinances. It is the personal responsibility of the appliance owner to provide adequate electrical service for this appliance.

Never use an extension cord.

Use only the power cord that comes with your washer.

When preparing for the installation, ensure that your power supply offers:

- A fuse or circuit breaker
- An Individual branch circuit serving only your washer

Your washer must be grounded. If your washer malfunctions or breaks down, grounding will reduce the risk of electric shock by providing a path of least resistance for the electric current.

Your washer comes with a power cord having a three-prong grounding plug for use in a properly installed and grounded outlet.

Never connect the ground wire to plastic plumbing lines, gas lines, or hot water pipes.

Improperly connecting of the equipment-grounding conductor can result in electrical shock. Check with a qualified electrician or serviceperson if you question whether the washer is properly grounded. Do not modify the plug provided with the washer. If it does not fit the outlet, have a proper outlet installed by a qualified electrician.

Water supply

Your washer will fill properly when your water pressure is 0.05 MPa~0.78 Mpa (0.5~8.0 kg·f/cm^2).

Water pressure less than 0.05 MPa (0.5 kg·f/cm^2) may cause a water valve failure, not allowing the water valve to shut off completely. Or it may take the washer longer to fill than what the controls allow, resulting in your washer turning off. (A fill-time limit, designed to prevent overflows/flooding if an internal hose becomes loose, is built into the controls.)

The water faucets must be within 4 feet (122 cm) of the back of your washer for the provided inlet hoses provided to reach your washer.

You can reduce the risk of leaks and water damage by:

- Making water faucets easily accessible.
- Turning off faucets when the washer is not in use.
- Periodically checking for leaks at the water inlet hose fittings.

Before using your washer for the first time, check all connections at the water valve and faucets for leaks.

Flooring

For best performance, your washer must be installed on a solidly constructed floor.

Never install your washer on a platform or poorly supported structure.

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INSTALLING YOUR WASHER

Step 1

Selecting a location

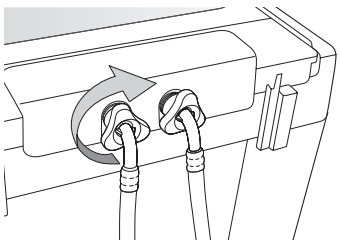
Before you install your washer, make sure the location:

- Has a hard, level surface without carpeting or flooring that may obstruct ventilation and avoid vibrations
- Allows at least 4 in (10 cm) between the washer and the wall
- Is away from direct sunlight and not exposed to rain as moisture may destroy the electrical insulation causing an electrical shock hazard
- Has adequate ventilation
- Is not exposed to temperatures below freezing (below 32 ˚F and 0 ˚C)
- Is away from heat sources such as oil and gas
- Has enough space so that your washer doesn't stand on its power cable

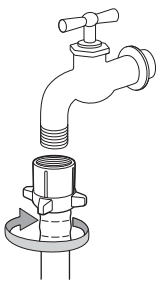
Step 2

Connecting the water supply hose to the washer

Connect the other end of the water supply hose to the inlet water valve at the back of the washer. Screw the hose clockwise all the way in.



If the water tap is a screw type, assemble a water supply hose that fits onto the tap as shown.



If water leaks from the hose after completing the connection, repeat the same steps again. Use the most conventional type of faucet for the water supply. If the faucet is square or too big, remove the spacing ring before inserting the faucet into the adaptor.

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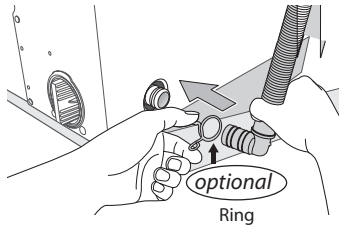
setting up your washer

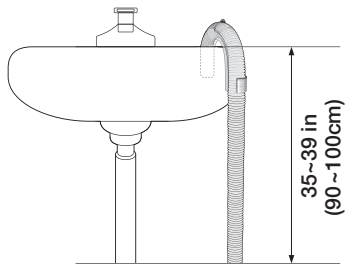
Step 3

Connecting the drain hose (for pump-drained washers)

1. Ensure that the drain hose is connected tightly to the drain-outlet on the side of the washer.



2. Install the drain hose about 35~39 in (90~100 cm) above the ground.



Step 4

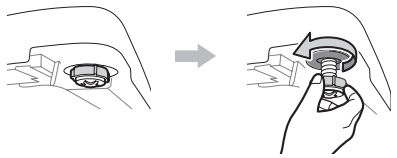
Powering and positioning your washer

1. Plug the power cord into a 3-pronged well-grounded fuse or comparable circuit breaker. (For more information on electrical and grounding requirements, see page 14.)
2. Slide the washer into position.

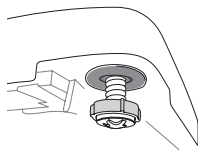
Step 5

Leveling your washer with the adjustable legs.

1. Gently lift up the washer and turn the adjustable legs to the counter clockwise direction to find the optimal balance.



2. Adjusting the height of the washer.

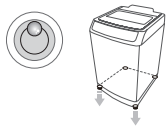
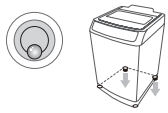
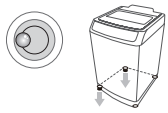
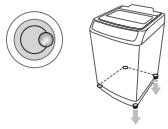


Adjusting the height of the washer

Make sure your washer is level by adjusting the leveling legs.

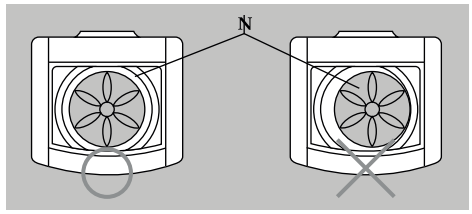
CAUTION Beware of catching your hands under the legs.

1. Pull the handles located at the right and left front of the washer and slide them off.
2. Adjust the height of the machine upwards or downwards.
3. When you have finished adjusting the height, push the handles back to fix the adjusting legs in place.

Waterdrop mark	Cause	How to level
	The front of the washer is lower	Level the washer by adjusting the legs.
	The back of the washer is lower	Adjust the height by using the props at the back.
	The left of the washer is lower	Adjust the left side by using the adjustable legs at the front and props at the back.
	The right of the washer is lower	Adjust the left side by using the adjustable legs at the front and props at the back.

Be sure if the washing machine is on right leveling position watching the spin basket.

If the washer is not leveling with the floor
it can vibrate more then usually or failure.
Make sure if the washer is on leveling.
Open de top cover and add water in the tub
Until set the level right down on pulsator
Adjust legs until pulsator be right on water center
as it's shows on image.



washing a load of laundry

With your new washer, the hardest part of doing laundry will be deciding which load to do first.

BASIC INSTRUCTIONS

1. Load your laundry into the washer.
2. Close the door until it latches.
3. Turn the power on.
4. Add detergent and additives into the dispenser (see page 22).
   Select the appropriate course and options for the load (see pages 11-15). The Wash Indicator light will illuminate and the estimated course time will appear in the display.
5. Press the **Start/Pause** button.

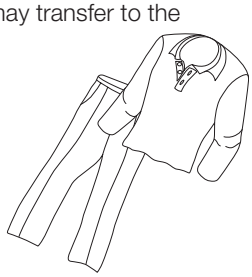
LAUNDRY GUIDELINES

Follow these simple guidelines for the cleanest laundry and the most efficient wash. (It is important that the checkpoints below are followed in order to avoid machine problems or clothing damage.)

If any problems arise due to the fault of the customer, a separate service fee will be charged to the customer.

Always check the Care label on clothing before washing.

- You can fill the tub with dry, unfolded clothes; but do NOT OVERLOAD the tub. Overloading may reduce washing efficiency, cause excess wear on your laundry and the washer, and possibly cause creasing or wrinkling of the load.
- When washing big, bulky items or a few smaller items that don't fill the tub completely - a rug, a pillow, stuffed toys, or one or two sweaters, for example - add a few towels to improve the tumbling and spinning performance.
- Check if any clothing items may bleach. Add liquid detergent to a white towel and the garment if you are unsure whether it may bleach. Rub the two items together strongly. Check if the color is transferred to the towel.
- Be especially careful with scarves and imported clothes since they discolor easily. Check for stains or partial dirt. If stains are found, add some detergent to a cloth and rub the stain in a single direction. Soil and dirt may rub against delicate garments causing damage and the wash result may be unsatisfactory.
- If clothes are too soiled, remove them and wash them separately, as dirt may transfer to the other clothing.
- Before washing the following items, sleeves, collars, dress hems and pockets should be pre-treated by brushing them with detergent. Wrinkle-processed clothing made of wool should be specially treated by tying them together (using thread) before washing. The thread is removed after the clothes have dried.
- Metal on clothing may damage your clothing as well as the tub. Turn clothing with buttons and embroidered clothes inside out before washing them. If pants and jacket zips are open during the wash, the spin basket may be damaged. Zips should be closed before washing.
- Clothing with long strings may become entangled with other clothes and damage them. Be sure to fix the strings before starting the wash.
- Turn delicate clothing inside out before washing it.



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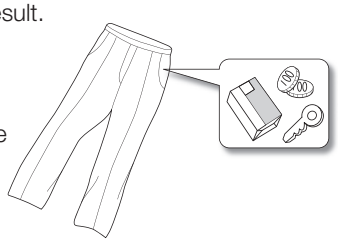
- Wash black clothing and cotton towels separately. If these are washed together, the towels may become stained. Check before washing.
- Curtains, light garments or blue jeans should not float. If they are floating, stop the washer by pressing the **Start/Pause** button and press them them down until they are soaked in the water. If the wash continues with floating clothing, it may damage the laundry and the washer, as well as resulting in an unsatisfactory washing result.

CAUTION Check all pockets before washing! Hairpins and coins may damage your clothing as well as your washer. It is important that you check pockets for objects and remove them.



Do NOT wash the following items

- Clothing that is easily disfigured even when simply soaking in water.
- Neckties, brassieres, jackets, suits and coats that are made mostly of rayon and other kind of blended fabrics can be easily disfigured (e.g. shrinkage and discoloration).
- Wrinkle-processed, embossed, or resin processed products that are easily disfigured even when simply soaking in water.
- Easily discolored products made of cotton and wool, wrinkled silk, leather products, leather accessory, leather ornamented clothes and its accessories.
- Do not wash waterproof clothing (e.g. ski wear, diaper covers and matts/rugs). This may cause the laundry to be ejected or cause the washer to vibrate abnormally, which may result in personal injury or damage to the washer, the floor or the clothing. When the tub rotates, water may become trapped in the waterproof clothing or fabric and can collect in a corner, causing abnormal vibrations. In addition, the laundry rises and may be ejected and cause personal injury.

Use a laundry net to wash the following items

- Use only commercial laundry nets.
- Place delicate clothes in a laundry net.
- Cashmilon and garments with a big volume and lightweight (e.g. lace decorated clothing, lingerie, nylon stockings, synthetic fabrics, etc.) may rise to the top of the washer and damage clothing and the washer. Use a laundry net or wash these items separately.
- Place long stringed and lace decorated clothing, bed cover sheets, and woolen clothes into a laundry net before washing them.

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DETERGENT AND ADDITIVES INFORMATION

Which detergent to use

Use powdered or liquid detergent. Do not use soap as the tub may become dirty from dirt on it.

- When the detergent does not dissolve properly, use warm water to dissolve the detergent.
- Use the appropriate amount of detergent.

CAUTION Even if an excessive amount of detergent is used, there is little difference in the washing result. However, It may damage the garments as there may be insufficient rinsing.

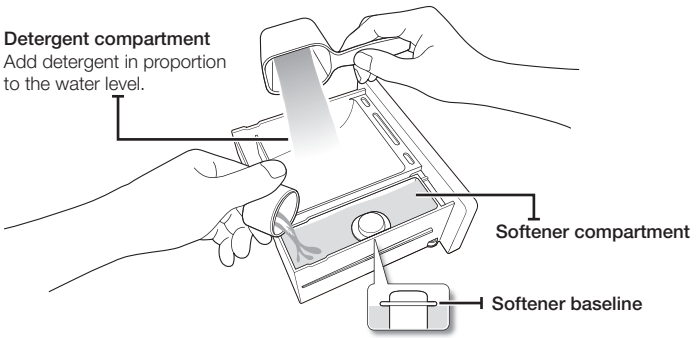
- Bleaching agents may cause damage to garments as they are a strong alkali.
- Perform sufficient rinsing as powdered detergent can easily remain on the garments causing bad odors.
- If too much detergent is used or cold water is used, the detergent doesn't dissolve completely and remains on the garments, hose or spin basket, contaminating the laundry.
- For a delayed start, the detergent must be added into the detergent drawer. If powder detergent is spread directly onto the laundry, it may cause discoloration.

Detergent drawer

The detergent drawer is located inside the washer at the back.

Adding detergent

1. Open the detergent drawer and then add the powder detergent into the detergent dispenser.
2. Add detergent evenly so that it doesn't brim over the edge of the drawer.



CAUTION If softener is added over the baseline, it may overflow.

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WASHING FOR THE FIRST TIME

Before starting to wash, check the following:

1. Connect the water supply hose to the water tap. Open the tap. Connect the power to the washer. Ensure that the drain hose is placed properly.
2. Make the drain hose in installed properly.

Before performing a wash for the first time, you must run a complete cycle without adding any laundry.

1. Press the **Power** button.
2. Open the detergent drawer and insert a little detergent.
3. Turn on the water supply to the washer.
4. Press the **Start/Pause** button.

This will remove any water remaining from the manufacturer's test run.

AUTOMATIC SENSING FUNCTION

Your washer is equipped with an automatic sensing function which automatically senses the amount of laundry and the appropriate water level, wash time, rinse cycle, and spin time.

This does not apply for the Clean Tub, Delicate and Wool courses.

Special notes!

After the power is on, a course is selected and the **Start/Pause** button is pressed, the washing board starts spinning without water. This action senses how much laundry is in the washing basket, and this is not a machine problem. After the sensing process has completed, water is supplied automatically.

Adding Detergent and Softener

- The sensor senses the amount of laundry and indicates the water level and amount of detergent. Water is then supplied right away.
- During the water supply, it is possible to open the detergent box and add detergent. However, it is better to press the **Start/Pause** button to stop the water supply and then add detergent. Close the lid and press the **Start/Pause** button again.
- If softener is added to the softener dispenser, it is automatically added during the last rinse cycle.

Place the laundry into the washer and add detergent.

- Be careful not to overload the washer. Use the appropriate detergent for the type of fabrics you are washing.
- If the lid is opened while the washer is running, the washer stops automatically for safety reasons. (However, the water supply continues while the lid is open.)
- When hot or warm water is selected, cold water is supplied for the first few seconds in order to protect the clothes.
- It is possible to control the wash time, rinse cycle, and spin time for every cycle during the wash course.

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cleaning and maintaining your washer

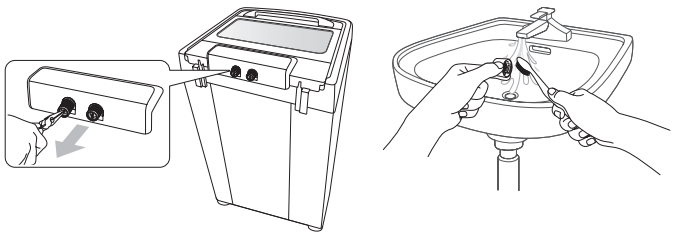
Keeping your washer clean improves its performance, wards off unnecessary repairs, and lengthens its life.

KEEPING THE TUB CLEAN

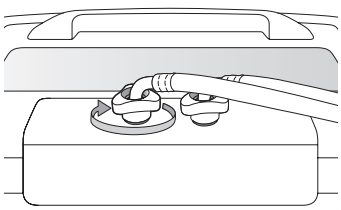
When using the machine under humid conditions for an extended time, various airborne bacteria may stick to the tub and form mold, causing harm to the humans. Keep the tub clean and hygienic at all times.

CLEANING THE WATER SUPPLY CONNECTOR FILTER

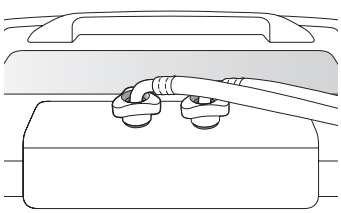
1. Remove the filter and wash it thoroughly.



2. Return the filter to its place and securely connect the hose to the inlet water valve.



3. Check if there is any water leakage.
Ensure that the connector is connected tightly.



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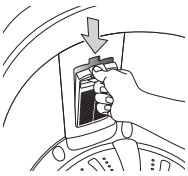
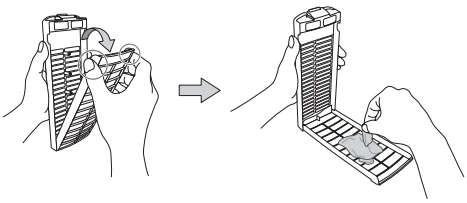
CLEANING THE FILTER NET

Clean the filter net regularly to keep the washer clean.

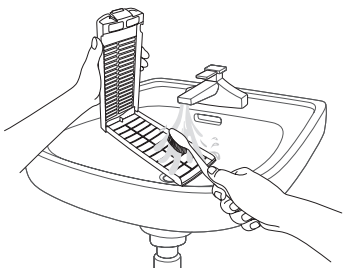
1. Push and pull the upper part of the Magic filter downwards at the same time.



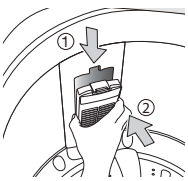
2. Open the cover as shown in the figure.



3. Clean the Magic filter.



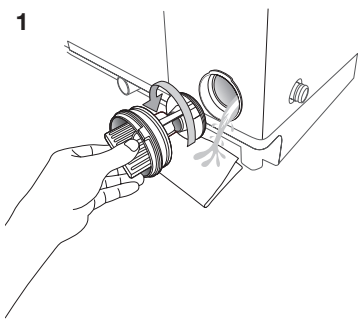
4. Close the cover and first insert the lower part of the filter into the basket and then push the filter until you hear a “clicking” sound.



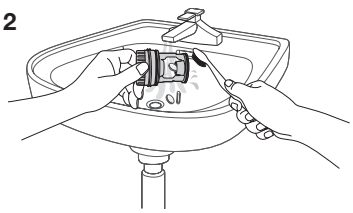
CLEANING THE PUMP FILTER

1. Place a rag or towel under the wash filter to avoid wetting the floor, and rotate the filter counterclockwise and pull it out.
2. Remove any dirt from the filter.
3. Return the filter to its place by rotating the filter clockwise until it locks into position.

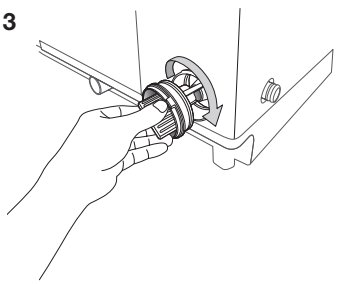
1



2



3



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troubleshooting and information codes

CHECK THESE POINTS IF YOUR WASHER…

PROBLEM	CHECK & SOLUTION
Has no power.	Check if the electric voltage is normal.
	Check if the washer is plugged in. Make sure the electric cord is plugged in.
	Has the drain hose been placed down properly? Put the drain hose down.
	Make sure that the drain hose is not twisted or folded.
	Make sure that the drain hose outlet is not clogged.
Does Not Work	Is the washer lid open? ➲ Close the lid.
	Is the Hold button on? ➲ Press the Start/Pause button again, and check if the washer starts.
	Has sufficient water filled up to the water level? ➲ If the water pressure is low, it takes a long time to start washing.
	Is the faucet closed? ➲ Open the faucet to supply water.
Has the drain hose and spin basket frozen.	• Add hot water to the frozen water tap and remove the drain hose. Soak it in hot water. • Pour hot water into the spin basket for about 10 minutes. • Place a hot water towel on the drain hose connector. • When the drain hose has been defrosted, reconnect it and check if the water is draining properly.

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PROBLEM	CHECK & SOLUTION
The water leaks at the water supply hose connector.	If the faucet connecting part is loose, water may leak. ➲ Repeat the assembling steps again. (Refer to “Connecting the water supply hose”)
	Check if the rubber ring of the water supply hose is in the right position. ➲ Fit it tightly again.
	Is the water supply hose folded? ➲ Unfold the hose.
	If the water supply is too strong, water may leak. ➲ Close the faucet a little.
	Is water leaking from the faucet itself? ➲ Fix the faucet. Water is not supplied.
	Did you press the Start/Pause button after selecting the water supply? ➲ The Start/Pause button must be pressed for water, for water to be supplied. Press the Start/Pause button.
	Make sure that the faucet is on. ➲ Turn on the faucet.
	Check if the filter net at the water supply hose connector is clogged with dirt. ➲ Clean the filter net using a toothbrush.
	Make sure the water supply is on. ➲ If the water supply is suspended, turn both the faucet and power off.
Spinning causes loud noises and vibrations.	Check if the laundry is spread out evenly in the washer. ➲ Spread out the laundry evenly and start again.
	Check if the washer is balanced and level on a sturdy flat floor surface. ➲ Ensure that the washer is level.
	Check if the leveling legs are loose. ➲ Adjust the leveling legs so that the washer is even.
	Ensure that the washer is not surrounded with unnecessary items. ➲ Remove anything unnecessary away from the washer.

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troubleshooting and information codes

INFORMATION CODES

When your washer malfunctions, you may see an information code on the display. If that happens, please check this table and try the suggested solution before calling Customer Service.

CODE SYMBOL	PROBLEM	CHECK
	Will not start.	- Make sure the water source faucets are on. - Make sure the washer is plugged in. - Make sure the power is on. - Make sure there is enough water.
	Does not drain.	- Check if the drain hose is frozen. - Check if the drain hose is clogged. - If the water does not drain within 15 minutes, a buzzer will sound, and the remaining time indicator will show “5E”.
	Has no water.	- Turn the faucets on fully. - Has the water supply to the residence been cut off? - Check if the water supply hose or hose connection is clogged. - Check if the water faucet is frozen. - If no water is supplied within 1 hour, a buzzer will sound, and the remaining time indicator will show “4E”.
	Does not spin.	- Check that the laundry is spread out evenly in the washer. - Check that the washer is balanced and on a sturdy flat surface. - Close the Door
	Overflows(water).	- Restart after spinning. - If the error sign is still displayed, call a customer service agent.

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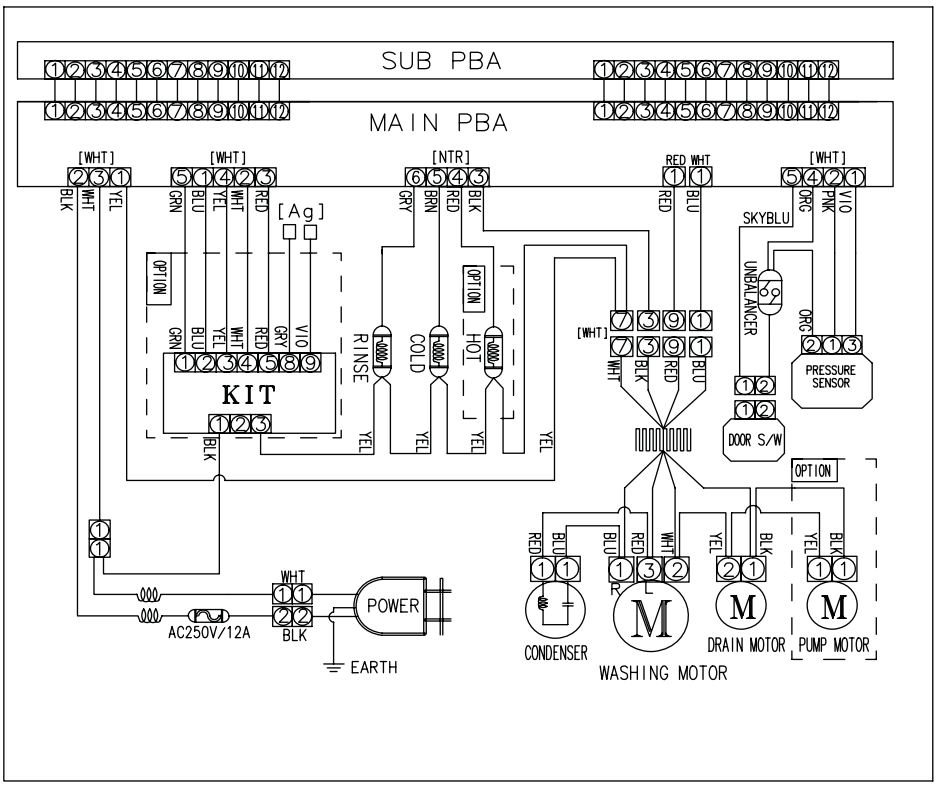
specification

MODEL		WA17X*	WA15X*	WA17W*
MODEL TYPE		Fully-Automatic Washer		
WASHING TYPE		Single Coil Type		
SPINNING TYPE		Centrifugal Spinning		
POWER		Single-Phase AC 220V/50 Hz		AC 120V/60 Hz
POWER CONSUMPTION	WASH	550 W		
	SPIN	300 W		
DIMENSIONS (mm)		W640XD706XH1045	W640XD706XH1025	W696XD736XH1045
WEIGHT		47 kg (103,6lbs)		
WATER PRESSURE		0.05MPa ~ 0.78 MPa (0.5 ~ 8.0 kg·f/cm^2)		
SPIN SPEED		680rpm		

WIRING DIAGRAM



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RECOMMENDED LOAD

Use the Next table to determine the quantity of clothes you wish to wash

	QTY	
	WA15X,	**WA17X, WA17W**
Jeans	3	4
Cotton Pants	2	2
T-Shirt	4	5
Tank Top	4	4
Sweatshirt	3	3
Sport Pant's	3	3
Large Towel	7	7
Shirt	4	7
Underware	10	12
Small Towel	13	13

QUESTIONS OR COMMENTS?

Country	CALL	OR VISIT US ONLINE AT
ARGENTINA	0800-333-3733	www.samsung.com/ar
CHILE	800-SAMSUNG(726-7864)	www.samsung.com/cl
COLOMBIA	01-8000112112	www.samsung.com/co
COSTA RICA	0-800-507-7267	www.samsung.com/latin
JAMAICA	1-800-234-7267	www.samsung.com/latin
MEXICO	01-800-SAMSUNG(726-7864)	www.samsung.com/mx
PANAMA	800-7267	www.samsung.com/latin
PUERTO RICO	1-800-682-3180	www.samsung.com/latin
TRINIDAD & TOBAGO	1-800-SAMSUNG(726-7864)	www.samsung.com/latin
VENEZUELA	0-800-100-5303	www.samsung.com/ve

Code No. DC68-02546J_04